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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

October 28, 2014

**WELL WORK PERMIT**

**Horizontal 6A Well**

This permit, API Well Number: 47-6101688, issued to NORTHEAST NATURAL ENERGY LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: COASTAL 13H  
Farm Name: COASTAL FOREST RESOURCES  
**API Well Number: 47-6101688**  
**Permit Type: Horizontal 6A Well**  
Date Issued: 10/28/2014

**Promoting a healthy environment.**

## PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

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### CONDITIONS

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1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.

4706101688

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Northeast Natural Energy LLC 494498281 Monongalia Clay Blacksville  
Operator ID County District Quadrangle

2) Operator's Well Number: Coastal 13H Well Pad Name: Coastal

3) Farm Name/Surface Owner: Coastal Forest Resources Company Public Road Access: State Route 218 (Daybrook Road)

4) Elevation, current ground: 1,430' Elevation, proposed post-construction: 1,420.12'

5) Well Type (a) Gas ☒ Oil ☐ Underground Storage ☐  
Other ☐

(b) If Gas Shallow ☒ Deep ☐  
Horizontal ☒

6) Existing Pad: Yes or No Yes - under construction

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):  
Marcellus ; 8,129' ; 105' , 3,600psi

8) Proposed Total Vertical Depth: 8,129'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 14,587'

11) Proposed Horizontal Leg Length: 5,821'

12) Approximate Fresh Water Strata Depths: 300' , 1,100'

13) Method to Determine Fresh Water Depths: Driller's Log from Offset Wells

14) Approximate Saltwater Depths: 1,500' , 2,600'

15) Approximate Coal Seam Depths: 900' , 1,100'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams  
directly overlying or adjacent to an active mine? Yes ☒ No ☐

(a) If Yes, provide Mine Info: Name: Adjacent Mine - Federal No. 2  
Depth: 900 , 1,100'  
Seam: Pittsburgh  
Owner: Patriot Coal Corporation

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18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	24"	New	NA	52.78	60'	60'	GTS
Fresh Water	13 3/8"	New	J-55	54.5	1,430'	**1,400'	CTS
Coal							
Intermediate	9 5/8"	New	J-55	40	2,830'	2,800'	CTS
Production	5 1/2"	New	P-110	20	14,587	14,550'	3,238
Tubing	2 7/8"	New	J-55	6.5	NA	8,300	NA
Liners							

\*Northeast Natural Energy LLC has set its Freshwater Casing deeper than normal due to the anticipated Red Rock formation encountered on off set wells.

\*\* Northeast Natural Energy LLC will not set Freshwater Casing beyond elevation without prior approval from the WV DEP Office of Oil & Gas Management.

H9K  
8/18/2014

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	24"	24"	.25	2,200	Grout	NA
Fresh Water	13 3/8"	17 1/2"	.38"	2,760	Class A	1.23
Coal						
Intermediate	9 5/8"	12 1/4"	.395"	3,950	Class A	1.3
Production	5 1/2"	8 3/4"	.361"	12,530	50:50 Poz	1.21
Tubing	2 7/8"	NA	.217"	7,260	NA	NA
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 7,200' TVD/MD. Well will be horizontally drilled on fluid from KOP to approximately 8,129' TVD / 14,587' MD along a 323 degree azimuth.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Multi-stage / high-rate slickwater fracture treatment using various size sands as proppant. First stage will be initiated via pressurization against a burst disc ran in the production casing string or perforated with coiled tubing. Subsequent stages will be perforated with pumped down guns ran on wireline. Individual stages will be isolated with composite frac plugs. Maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation. After fracture treatment,

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 47.5

22) Area to be disturbed for well pad only, less access road (acres): 12.3

23) Describe centralizer placement for each casing string:

Surface and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from shoe joint to surface. Production casing will have rigid body centralizers placed every fourth joint (~160') from TD to surface.

24) Describe all cement additives associated with each cement type:

Surface string cement will be a Class A + 3% bwoc Calcium Chloride Fresh Water blend. Intermediate string cement will be a Class A Cement + 0.3% bwoc Calcium Chloride + Fresh Water. Production string cement will be (50:50) Poz (Fly Ash): Type I Cement with a gas migration additive.

25) Proposed borehole conditioning procedures:

Surface string will use a 35.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite + 80 lbs Fed Seal @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Intermediate string will use a 35.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite + 80 lbs Fed Seal @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Production string will use a 50.0 bbls SealBond 25 + 1 gal/bbl US-40 + 275 lbs/bbl Barite, Bulk + 1 gal/bbl SS-2 @ 13.5 ppg spacer prior to cement.

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\*Note: Attach additional sheets as needed.

## Northeast Natural Energy LLC Mine Contingency Plan



On all wells drilled, Northeast Natural Energy LLC ("NNE") has contingency strategies in place should an unanticipated void or mine be encountered while drilling the surface section of the well. If encountered, any accumulated gases will be diverted a safe distance away from the drilling operations through the blowby line and/or flare.

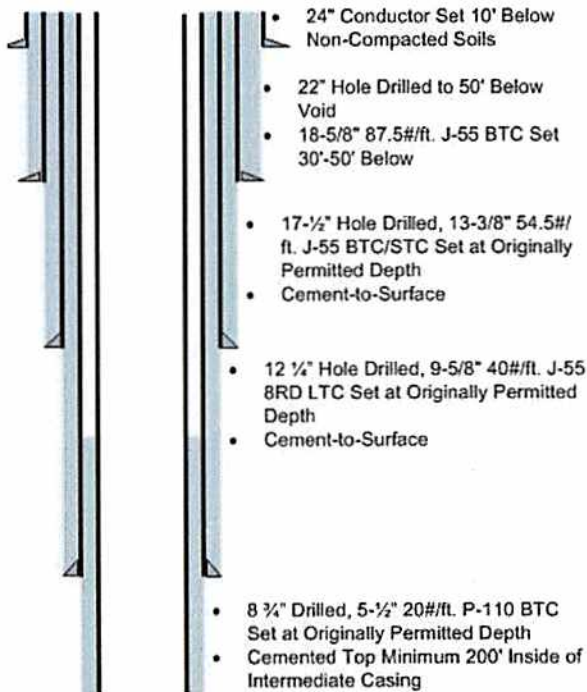
All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to run a string of 18-5/8" 87.50#/ft J-55 through the section when needed.

The 18-5/8" would be set 30-50' below the void with cement baskets placed directly above and below. The section of pipe below the void would be cemented using the displacement method and 100% excess. The section above the void would be cemented simultaneously using a two-stage DV tool or separately by using remedial top fill techniques and 30% excess.

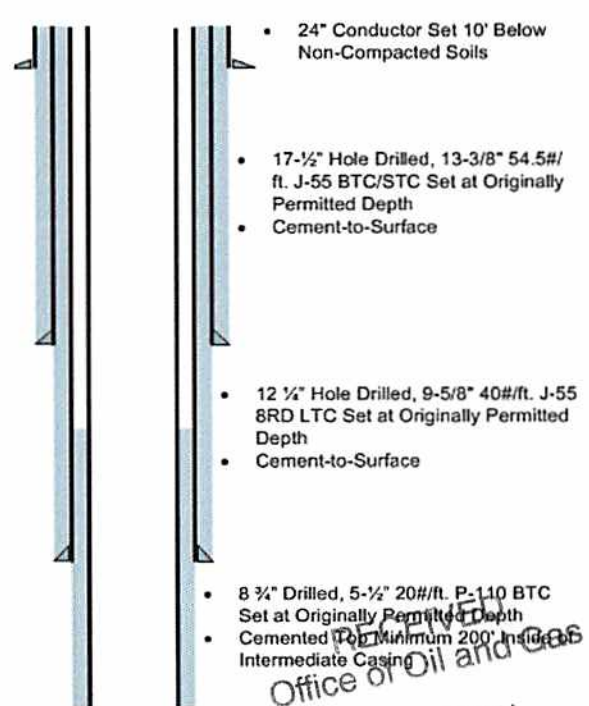
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted depth.

*\*The diagram below visually shows the alternative casing plan should an unanticipated void be encountered.*

**Casing Schematic w/ Mine String**



**Casing Schematic w/o Mine String**

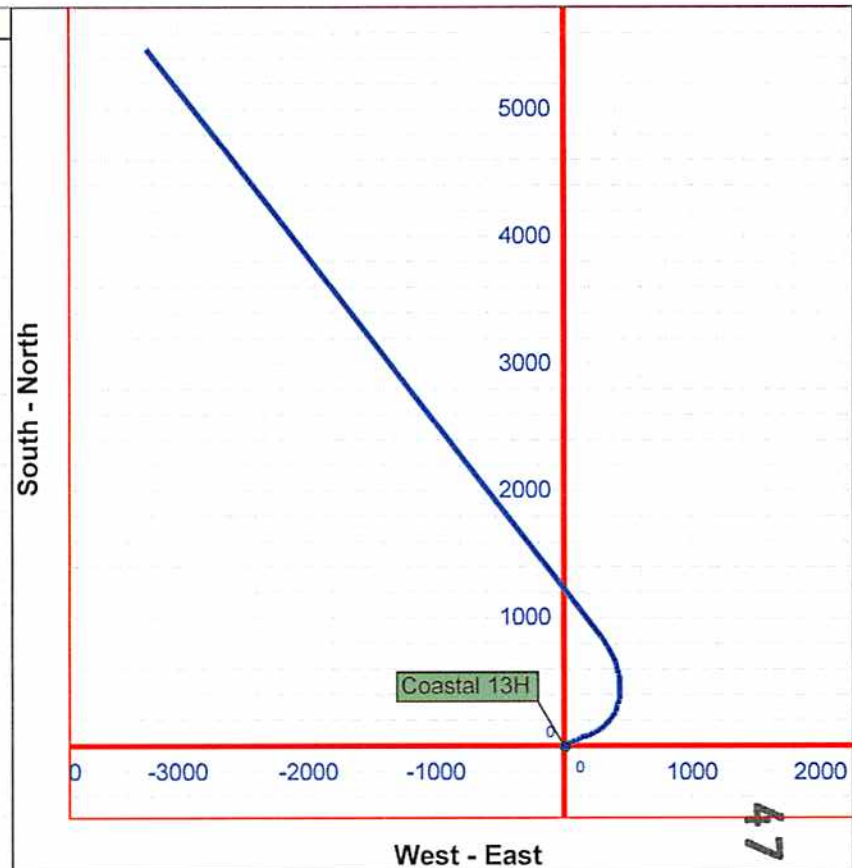
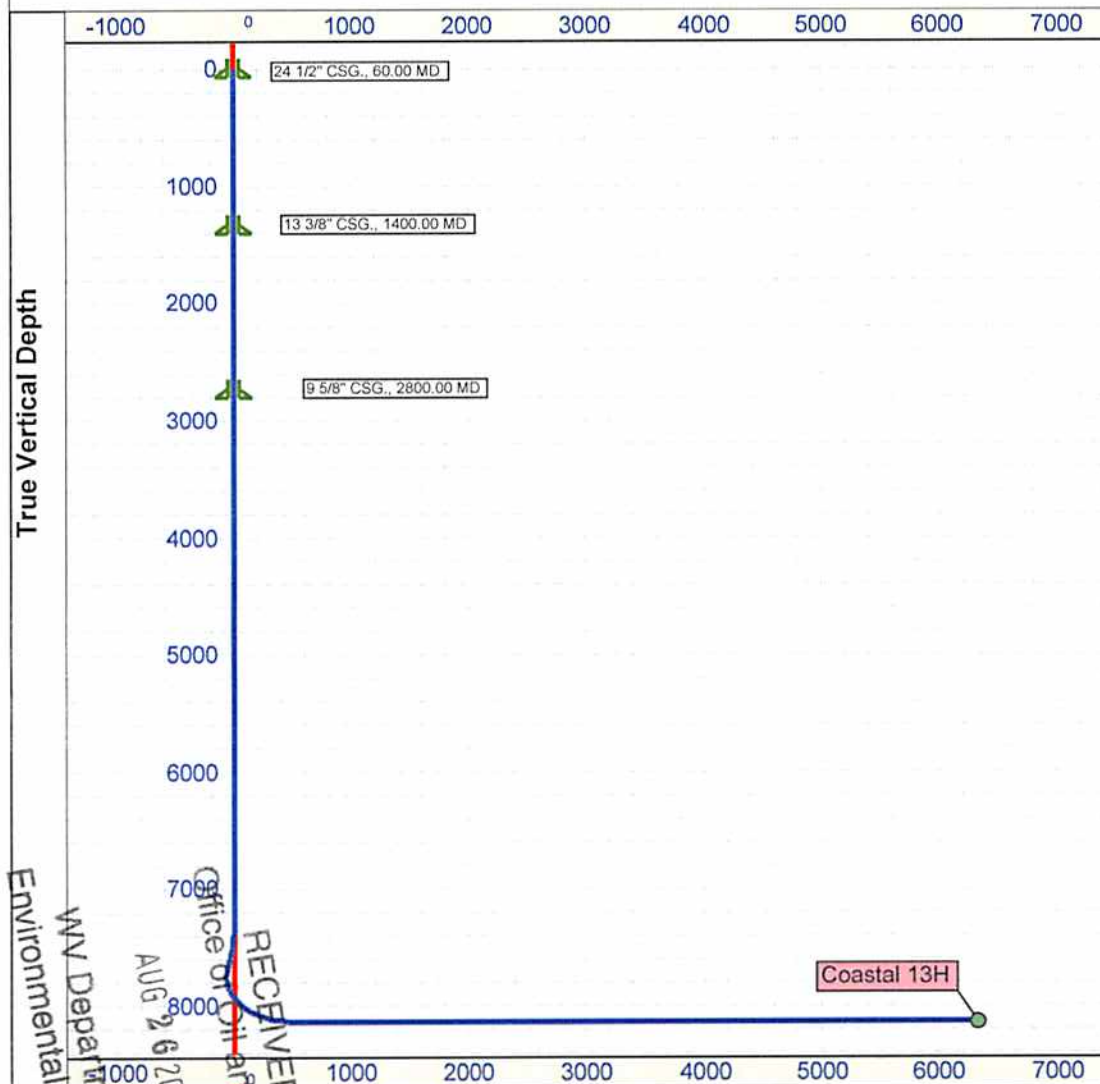


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Job Number:  
Company: Northeast Natural Energy  
Lease/Well: Coastal 13H  
Location: Coastal  
Rig Name: Pioneer 63  
State/County: WV/ Mon  
Country: US  
API Number:

Elevation (To MSL): 1420.00 ft  
RKB: 18.00 ft  
Projection System: US State Plane 1983  
Projection Group: West Virginia Northern Zone  
Projection Datum: GRS80  
Magnetic Declination: -8.89  
Grid Convergence: -0.44928 W  
Date: Friday, August 01, 2014



	MD	TVD	Tully	7,864
KOP	7,200	7,200	Hamilton	7,914
LP	8,766	8,129	Upper Marcellus	8,034
TD	14,587	8,129	Lower Marcellus	8,084
			Onondaga	8,139

Vertical Section (1000 Ft/Div) VSP: 322.55°

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4706101688



WW-9  
(9/13)

API Number 47 - **4706101688**  
Operator's Well No. Coastal 13H

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Northeast Natural Energy LLC OP Code 494498281

Watershed (HUC 10) Dunkard Creek Quadrangle Blacksville, WV

Elevation 1,430' County Monongalia District Clay

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☒ No ☐

Will a pit be used? Yes ☐ No ☒

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes ☐ No ☒ If so, what ml.?

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
- ☐ Underground Injection ( UIC Permit Number  )
- ☒ Reuse (at API Number unknown at this time, TBD )
- ☐ Off Site Disposal (Supply form WW-9 for disposal location)
- ☐ Other (Explain  )

Will closed loop system be used? If so, describe: Yes - See Attachment A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air - Vertical/Oil Based-Curve & Horizontal

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Based Mud

Additives to be used in drilling medium? Organophilic Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite - See Attachment A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number? See Attachment A

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Hollie Medley

Company Official (Typed Name) Hollie Medley

Company Official Title Regulatory Coordinator

Subscribed and sworn before me this 13<sup>th</sup> day of August, 20 14

My commission expires April 11, 2017





4706101688

Form WW-9

Operator's Well No. Coastal 13HNortheast Natural Energy LLCProposed Revegetation Treatment: Acres Disturbed 47.5 Prevegetation pH TBDLime 2 Tons/acre or to correct to pH 7Fertilizer type 19-19-19Fertilizer amount 300 lbs/acreMulch 2 Tons/acreSeed MixturesTemporaryPermanent

Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tetraploid Perennial Rye	16	Tetraploid Perennial Rye	16
Timothy - 15 and Annual Rye- 15		Timothy - 15 and Annual Rye - 15	

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Haynes J. K. W.

Comments: \_\_\_\_\_

Title: InspectionDate: 8/18/2014Field Reviewed? ( ☒ ) Yes( ☐ ) NoRECEIVED  
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Attachment A to WW-9

Northeast Natural Energy LLC ("NNE") plans to utilize a closed loop process for its drilling of the Coastal 13H well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

Coastal 13H Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

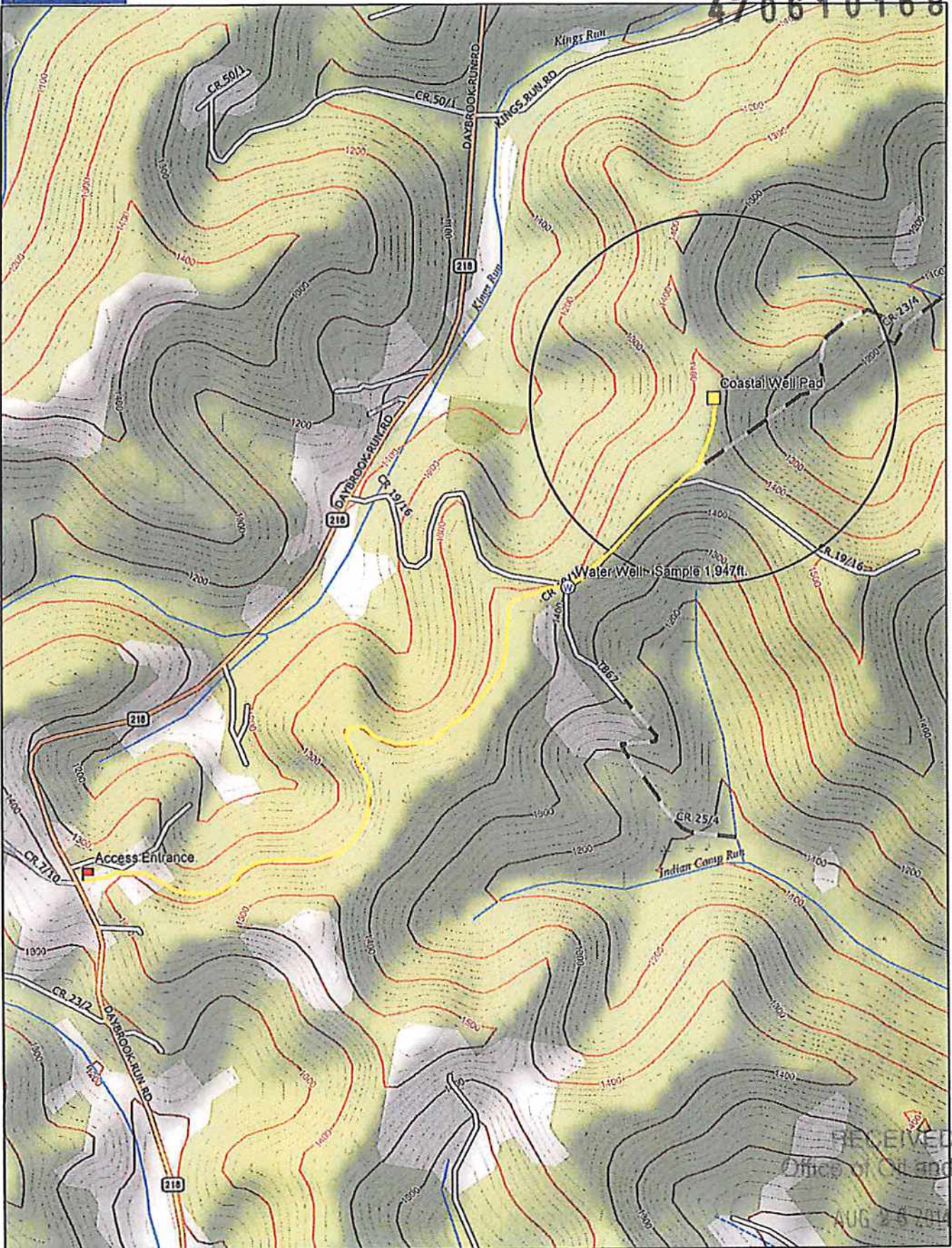
NNE plans to reuse and recycle all flowback fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)

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Scale 1:12,800  
 0 200 400 600 800 1000  
 1" = 1,066.7 ft. Data Zoom 14.0  
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**northeast**  
NATURAL ENERGY

MDK  
8/18/2014

**Coastal 13H**  
**SITE SAFETY PLAN**

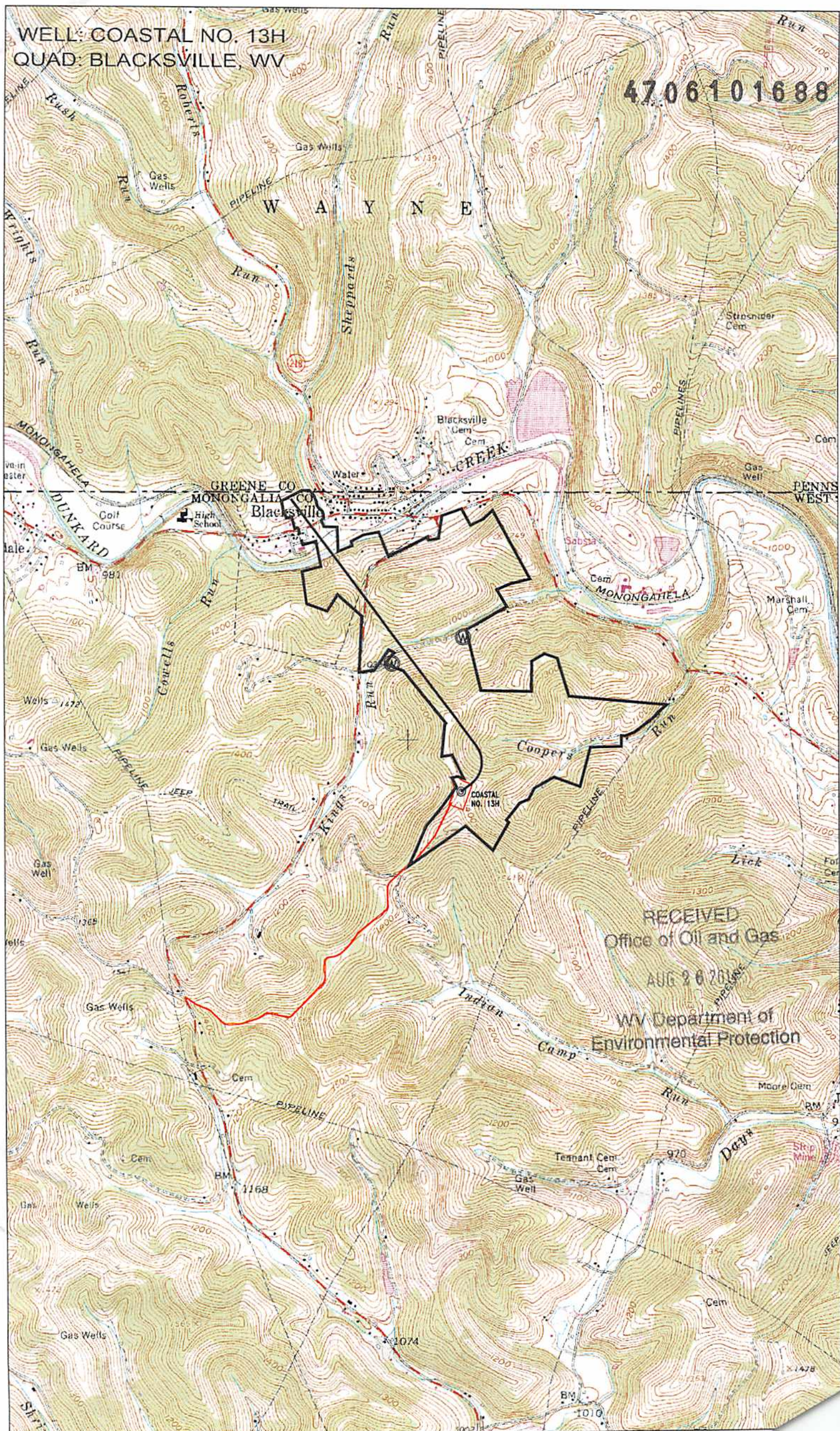
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WELL: COASTAL NO. 13H  
QUAD: BLACKSVILLE, WV

4706101688



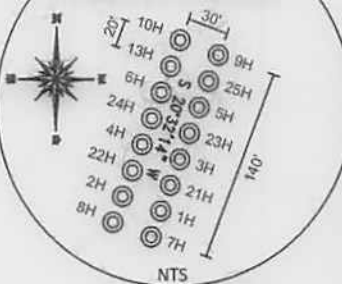
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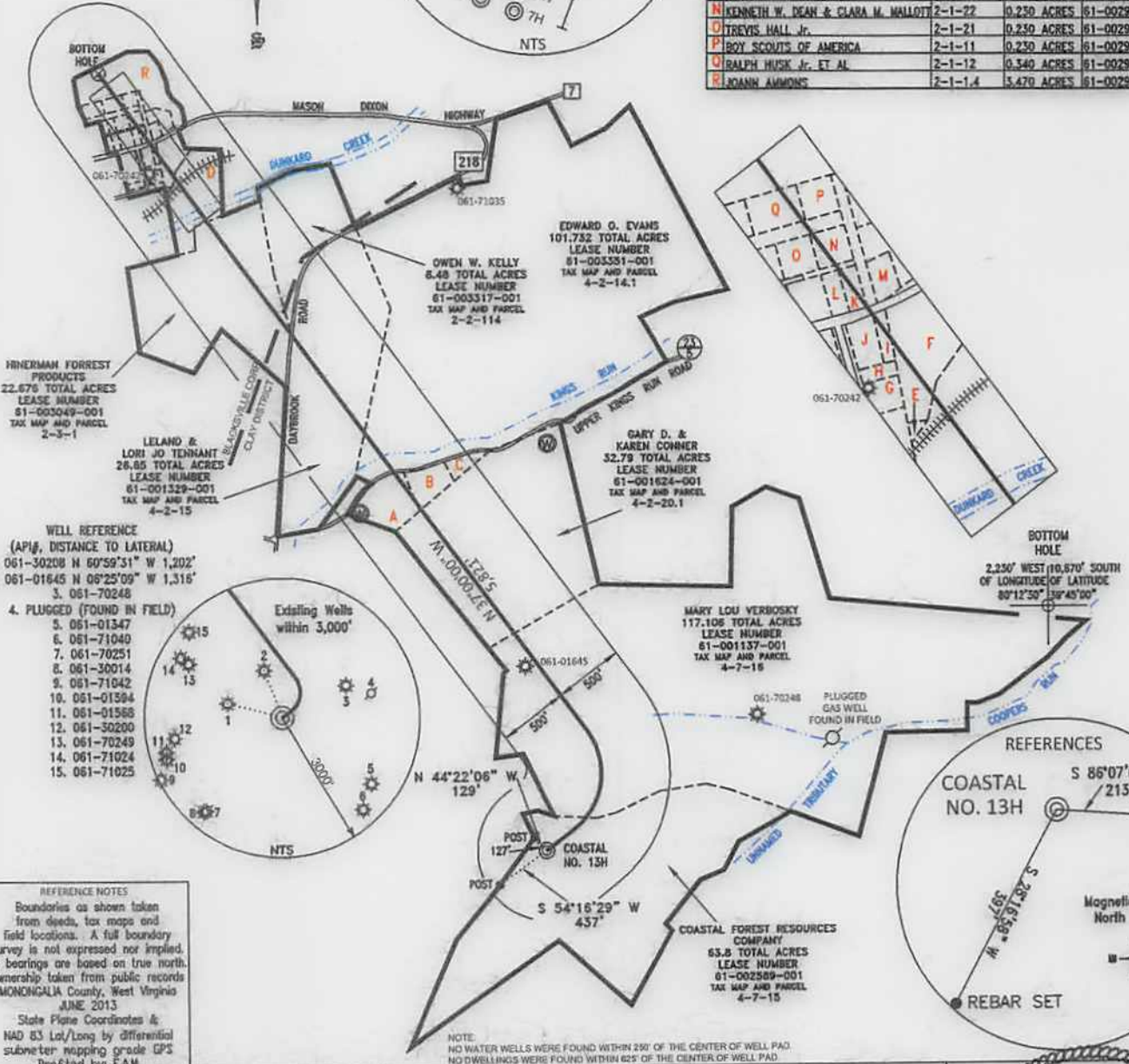
SURFACE HOLE DEC. LONG: 80.204667  
SURVEYED LONG: 80° 12' 16.8"

10.720'

Latitude: 39° 42' 30" (NAD27)

Longitude: 80° 10' 00" (NAD27)  
SURFACE HOLE DEC. LAT: 39.705717  
SURVEYED LAT: 39° 42' 30.6"TOP HOLE (UTM NAD 83)  
N) 4395406.8  
E) 568198.0  
BOTTOM HOLE (UTM NAD 83)  
N) 4397065.8  
E) 567193.1SURFACE  
HOLEREFERENCES TO  
PROPOSED HORIZONTAL  
WELLS SURFACE LOCATIONS

A	GEORGE A. SINES	4-2-19	2,890 ACRES	61-003351-001
B	GEORGE A. SINES	4-2-19.2	1,000 ACRES	61-003351-001
C	GEORGE A. SINES	4-2-19.1	1,200 ACRES	61-003351-001
D	PENNSYLVANIA LINES LLC	2-1-78	4,370 ACRES	61-002927-001
E	DEVILLE G. & TERESA Y. SIMPSON	2-1-78.1	0.020 ACRES	61-002927-001
F	BARBARA ANN BRAGG	2-1-7	1,292 ACRES	61-002927-001
G	RAYMOND E. COPELAND JR.	2-1-75	0.180 ACRES	61-002927-001
H	RAYMOND E. COPELAND JR.	2-1-74	0.100 ACRES	61-002927-001
I	JEFFREY D. & MARY A. RUSH	2-1-73	0.114 ACRES	61-002927-001
J	JEFFREY D. & MARY A. RUSH	2-1-72	0.236 ACRES	61-002927-001
K	WILLIAM DEAN	2-1-23.1	0.110 ACRES	61-002927-001
L	STUART L. & TAMMY LEMLEY CODY	2-1-23	0.110 ACRES	61-002927-001
M	SHELLY DEAN ET UX	2-1-8	0.187 ACRES	61-002927-001
N	KENNETH W. DEAN & CLARA W. WALLOTT	2-1-22	0.230 ACRES	61-002927-001
O	TREVIS HALL JR.	2-1-21	0.230 ACRES	61-002927-001
P	BOY SCOUTS OF AMERICA	2-1-11	0.230 ACRES	61-002927-001
Q	RALPH HUSK JR. ET AL	2-1-12	0.340 ACRES	61-002927-001
R	JOANNE AMMONS	2-1-14	5,470 ACRES	61-002927-001



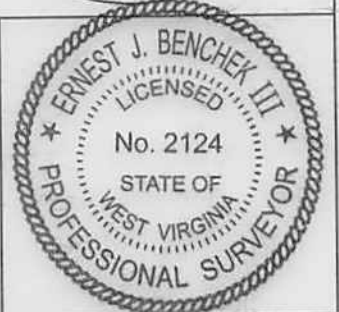
FILE #: NNE12

DRAWING #: 2391

SCALE: PLAT: 1" = 1200'  
TICK MARK: 1" = 2000'MINIMUM DEGREE  
OF ACCURACY: 1/200PROVEN SOURCE SUBMETER MAPPING  
OF ELEVATION: GRADE GPSI, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS  
PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND  
BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY  
LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY  
THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:

L.L.S. #2124: Ernest J. Benchek III

(+ ) DENOTES LOCATION OF WELL ON  
UNITED STATES TOPOGRAPHIC MAPS  
WVDEPOFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304Well Type: ☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep  
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / CLAY

SURFACE OWNER: COASTAL FOREST RESOURCES COMPANY

OIL &amp; GAS ROYALTY OWNER: WACO OIL AND GAS, ET AL

LEASE NUMBERS:

DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒  
PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐  
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: MARCELLUS

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: TVD: 8,129' TMD: 14,587'

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DATE: AUGUST 1, 2014

OPERATOR'S WELL #: COASTAL NO. 13H

API WELL #: 47 61 01688 HGA  
STATE COUNTY PERMIT

ELEVATION: 1,420'

QUADRANGLE: BLACKSVILLE, WV

ACREAGE: 63.8 +/-

ACREAGE: 389.613 +/-